

1636\$



**FEE TRANSMITTAL for FY 2001 (Small Entity)**

Complete if Known

|                         |            |                        |                            |
|-------------------------|------------|------------------------|----------------------------|
|                         |            | Application Number     | 09/453,801                 |
|                         |            | Filing Date            | December 3, 1999           |
|                         |            | First Named Inventor   | Saswati CHATTERJEE, et al. |
|                         |            | Examiner Name          | G. Leffers Jr.             |
|                         |            | Group Art Unit         | 1636                       |
| Total Amount of Payment | (\$200.00) | Attorney Docket Number | 1954-287                   |

RECEIVED

AUG 20 2002

**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- ☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status.
2. ☒ Payment Enclosed:  
☒ Check  
☐ Credit Card

**FEE CALCULATION (continued)**

TECH CENTER 1600/2900

**FEE CALCULATION**

**1. FILING FEE**

| Fee Code | Fee \$ | Fee Description        | Fee Paid |
|----------|--------|------------------------|----------|
| 201      | 370    | Utility filing fee     | [ ]      |
| 206      | 165    | Design Filing Fee      | [ ]      |
| 207      | 255    | Plant Filing Fee       | [ ]      |
| 208      | 370    | Reissue Filing Fee     | [ ]      |
| 214      | 80     | Provisional Filing Fee | [ ]      |

SUBTOTAL \$

**2. CLAIMS**

|  | Extra Claims | Fee        | Fee Paid |
|--|--------------|------------|----------|
| Total Claims [ 20 ] - 38** = [ ] x     |              | \$ 9 = [ ] |          |
| Independent Claims [ 2 ] - 4** = [ ] x |              | 42 = [ ]   |          |
| Multiple Dependent Claims              | +            | 140 = [ ]  |          |

\*\*or number previously paid, if greater;

SUBTOTAL \$

**3. ADDITIONAL FEES**

| Fee Code            | Fee Paid | Fee Description  | Fee Paid |
|---------------------|----------|--|----------|
| 205                 | 65       | Surcharge - late filing fee or oath  | [ ]      |
| 227                 | 25       | Surcharge - late provisional filing fee or cover sheet                     | [ ]      |
| 139                 | 130      | Non-English specification  | [ ]      |
| 147                 | 2,520    | For filing a request for reexamination                                     | [ ]      |
| 112                 | 920      | Requesting publication of SIR prior to Examiner action                     | [ ]      |
| 113                 | 1,840*   | Requesting publication of SIR after Examiner action                        | [ ]      |
| 215                 | 55       | Extension for reply within first month                                     | [ 200 ]  |
| 216                 | 200      | Extension for reply within second month                                    | [ ]      |
| 217                 | 460      | Extension for reply within third month                                     | [ ]      |
| 218                 | 720      | Extension for reply within fourth month                                    | [ ]      |
| 228                 | 980      | Extension for reply within fifth month                                     | [ ]      |
| 219                 | 160      | Notice of Appeal   | [ ]      |
| 220                 | 160      | Filing a brief in support of an appeal                                     | [ ]      |
| 221                 | 150      | Request for Oral Hearing   | [ ]      |
| 138                 | 1,510    | Petition to institute a public use proceeding                              | [ ]      |
| 240                 | 55       | Petition to revive -unavoidable  | [ ]      |
| 241                 | 640      | Petition to revive - unintentional   | [ ]      |
| 242                 | 640      | Utility issue fee (or reissue)   | [ ]      |
| 243                 | 230      | Design issue fee   | [ ]      |
| 244                 | 310      | Plant issue fee  | [ ]      |
| 122                 | 130      | Petitions to the Commissioner  | [ ]      |
| 123                 | 50       | Processing fee under 37 CFR 1.17(q)  | [ ]      |
| 126                 | 180      | Submission of Information Disclosure Statement                             | [ ]      |
| 581                 | 40       | Recording each patent assignment per property (times number of properties) | [ ]      |
| 246                 | 370      | Filing a submission after final rejection (37 CFR .129(a))                 | [ ]      |
| 249                 | 370      | For each additional invention to be examined (37 CFR 1.129(b))             | [ ]      |
| 279                 | 370      | Request for Continued Examination (RCE)                                    | [ ]      |
| 169                 | 900      | Request for expedited examination of a design application                  | [ ]      |
| 195                 | 300      | Publication fee for early, voluntary, or normal publication                | [ ]      |
| 196                 | 300      | Publication fee for republication  | [ ]      |
| 089                 | 200      | Filing an application for patent term adjustment                           | [ ]      |
| 090                 | 400      | Request for reinstatement of term reduced                                  | [ ]      |
| Other fee (specify) |          |  | [ ]      |

\* Reduced by Basic Filing Fee Paid

SUBTOTAL \$200

|                      |  |                                 |                 |                          |  |
|----------------------|--|---------------------------------|-----------------|--------------------------|--|
| SUBMITTED BY         |  |                                 |                 | Complete (if applicable) |  |
| NAME AND REG. NUMBER |  | Martha Cassidy, Reg. No. 44,066 |                 |                          |  |
| SIGNATURE            |  | DATE                            | AUGUST 14, 2002 | DEPOSIT ACCOUNT USER ID  |  |



14/C  
AFINE  
E. Walker  
8-21-02

|  |                        |                                  |
|--|------------------------|----------------------------------|
| <b>IN THE<br/>UNITED STATES<br/>PATENT AND TRADEMARK<br/>OFFICE</b>  | Application Number     | 09/453,801                       |
|  | Filing Date            | 12/3/99                          |
|  | First Named Inventor   | Saswati<br>CHATTERJEE, et<br>al. |
|  | Group Art Unit         | 1636                             |
|  | Examiner Name          | G. Leffers, Jr.                  |
|  | Attorney Docket Number | 1954-287                         |
| Title of the Invention: A METHOD OF GENETICALLY MODIFYING VERY PRIMITIVE QUIESCENT<br>HUMAN HEMATOPOIETIC STEM CELLS |                        |                                  |

### AMENDMENT

RECEIVED

AUG 20 2002

TECH CENTER 1600/2900

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the final Office Action mailed April 9, 2002, Applicants request entry of the following amendments and reconsideration of the application.

In the Claims:

Please cancel claims 6, 11, 12 and 16 and amend claims 1, 2, 7, 13, 19-21 and 23 as follows:

Clean Copy of Amended Claims

1. (Amended) A method for stably transferring DNA into multi-potential hematopoietic stem cells in the G0 phase of the cell cycle, which comprises transducing said multi-potential hematopoietic stem cells with an adeno-associated virus vector that contains said DNA, wherein the transferred DNA remains integrated into the genome of the multi-potential hematopoietic stem cells for at least 4 weeks.

08/15/2002 SSITHIB1 00000054 09453801

01 FC:216

200.00 DP